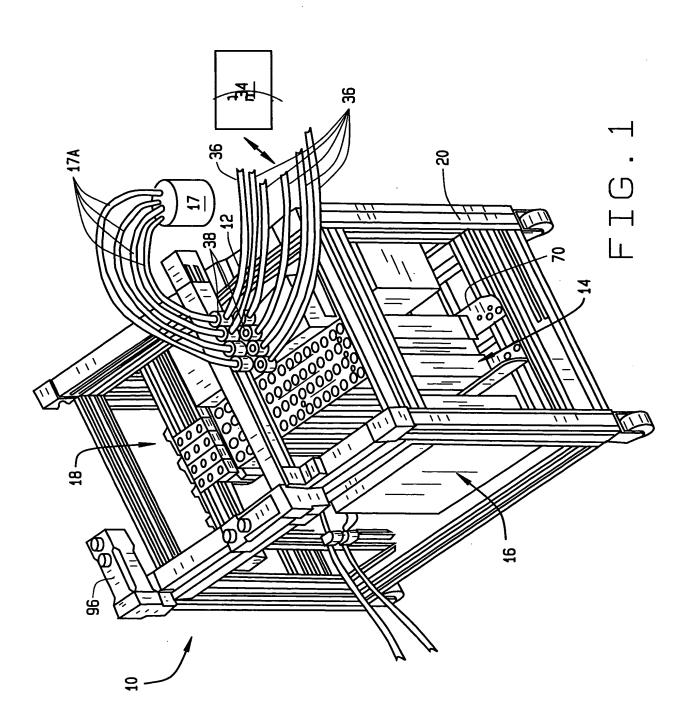
Inventor(s): Bloch et al Serial No. 10/618,453 - Filed 07/11/03 Atty. Ref.: 7784-000634







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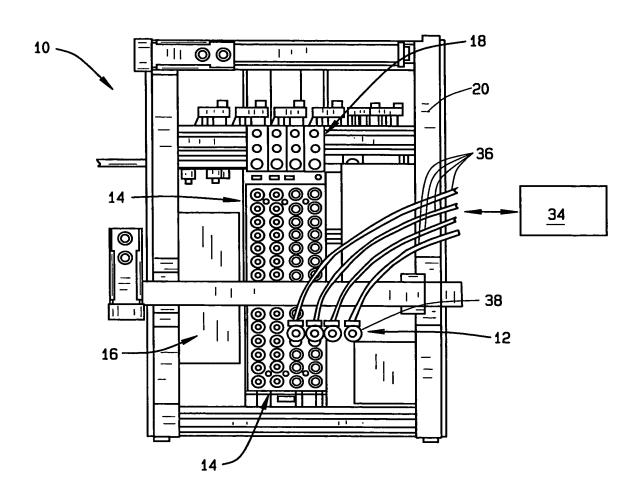


FIG.2



Inventor(s): Bloch et al Serial No. 10/618,453 - Filed 07/11/03 Atty. Ref.: 7784-000634

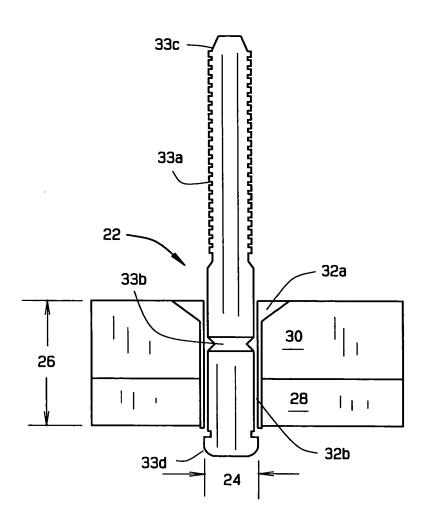
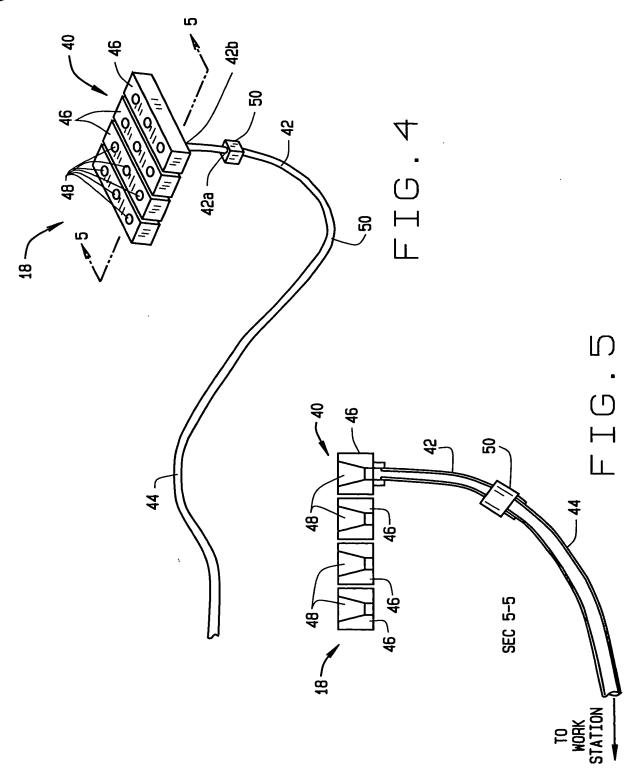


FIG.3

Title: FASTENER STACKING AND REMOVAL SYSTEM Inventor(s): Bloch et al Serial No. 10/618,453 - Filed 07/11/03 Atty. Ref.: 7784-000634





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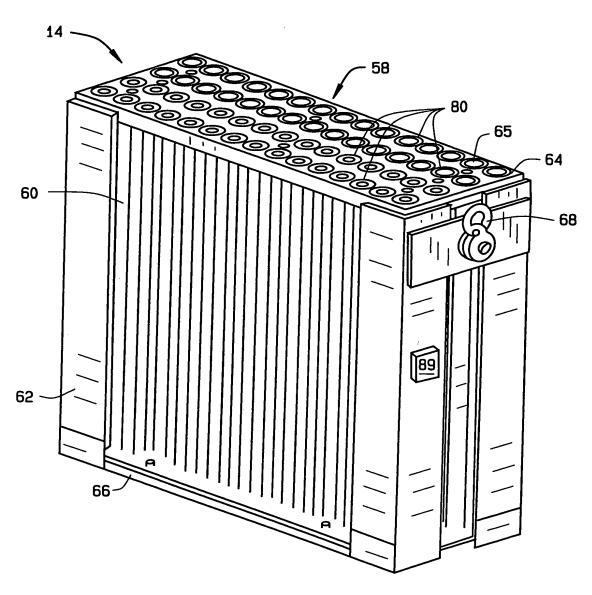
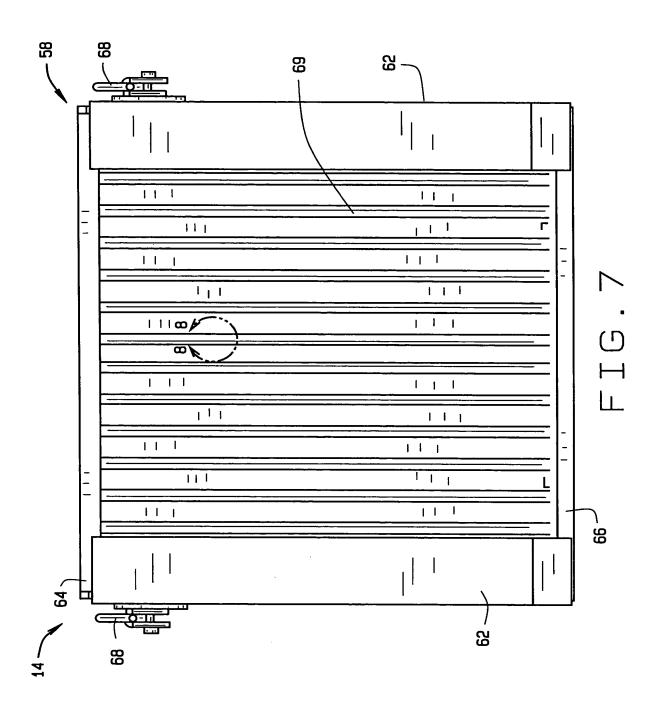


FIG.6

Inventor(s): Bloch et al Serial No. 10/618,453 - Filed 07/11/03 Atty. Ref.: 7784-000634

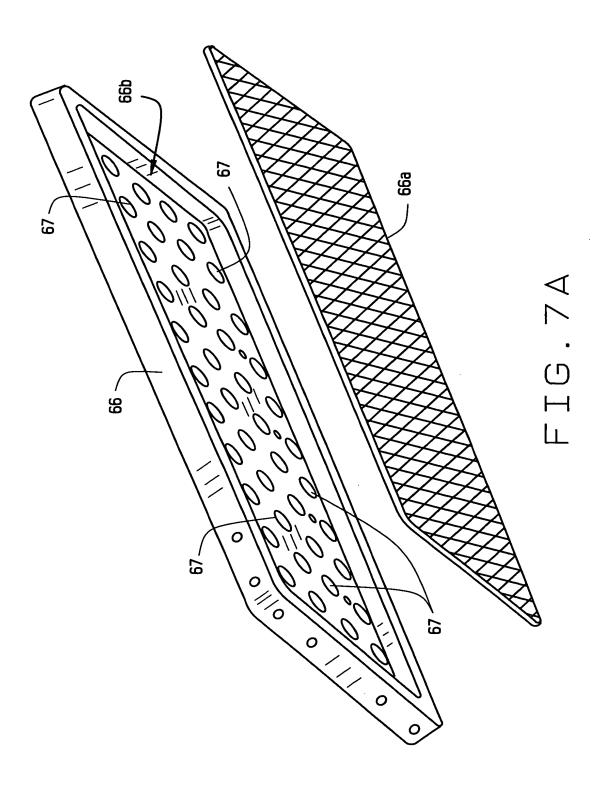




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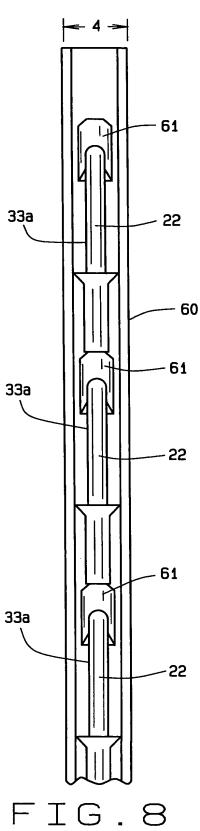
Title: FASTENER STACKING AND REMOVAL SYSTEM

Inventor(s): Bloch et al Serial No. 10/618,453 - Filed 07/11/03 Atty. Ref.: 7784-000634





Inventor(s): Bloch et al Serial No. 10/618,453 - Filed 07/11/03 Atty. Ref.: 7784-000634



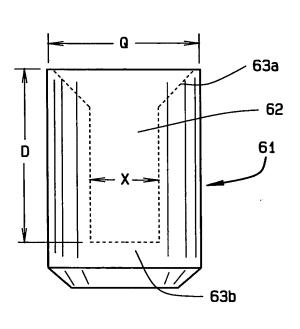


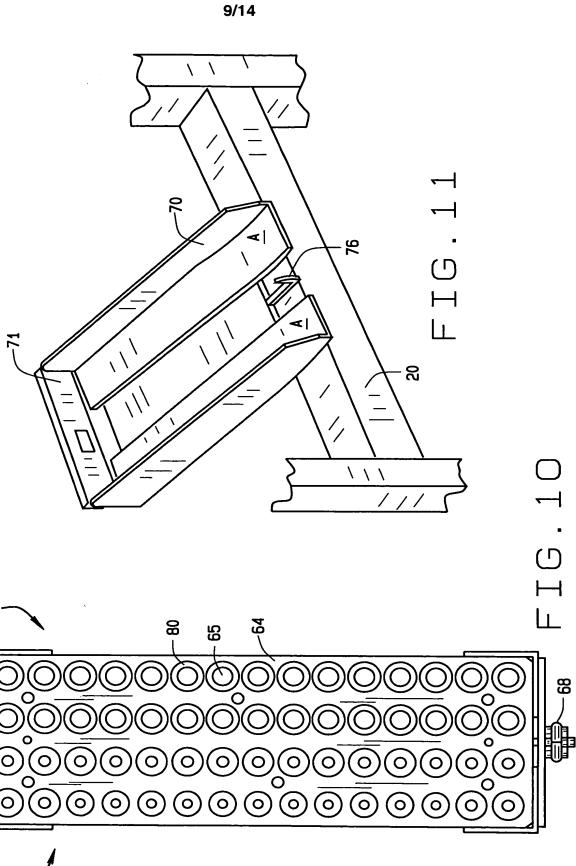
FIG.9

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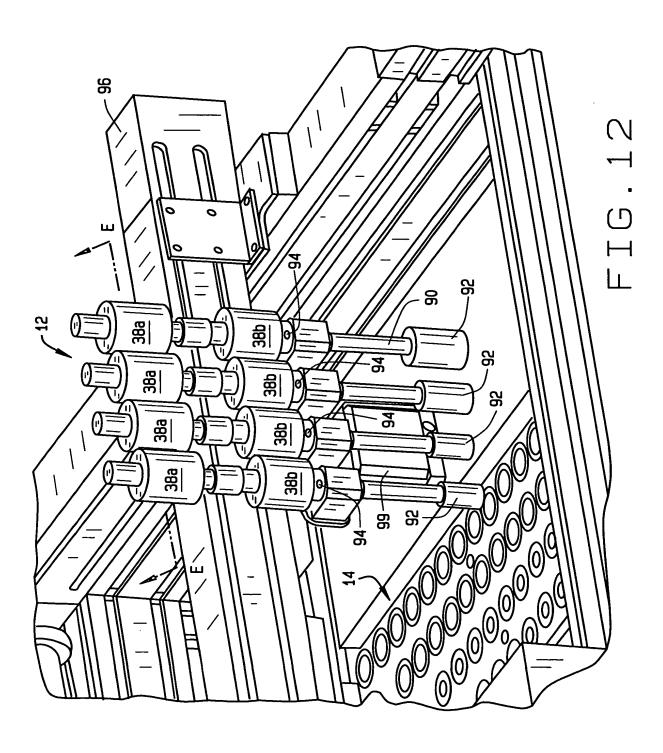
Title: FASTENER STACKING AND REMOVAL SYSTEM

Inventor(s): Bloch et al Serial No. 10/618,453 - Filed 07/11/03 Atty. Ref.: 7784-000634





Inventor(s): Bloch et al Serial No. 10/618,453 - Filed 07/11/03 Atty. Ref.: 7784-000634





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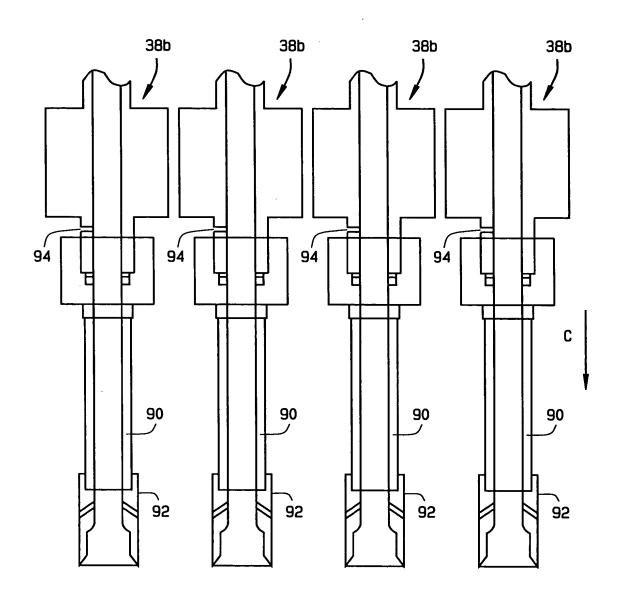
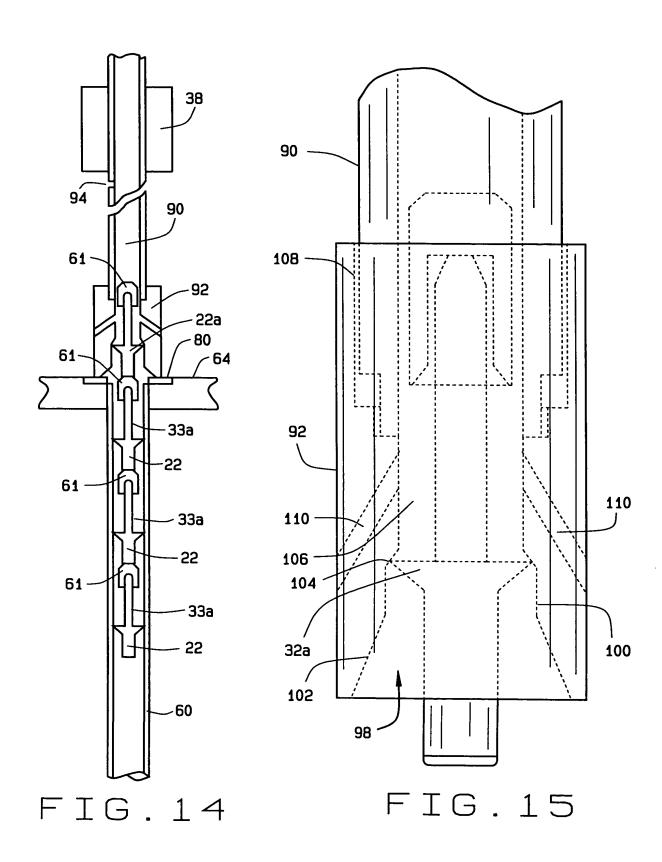


FIG. 13

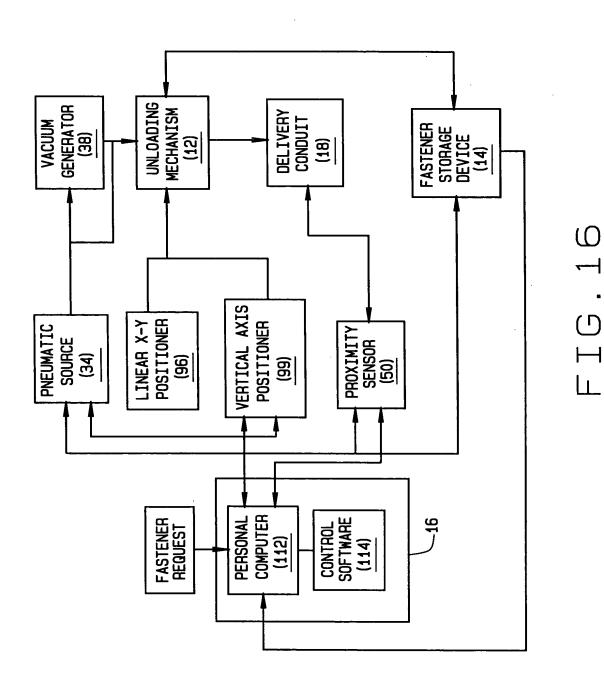


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Title: FASTENER STACKING AND REMOVAL SYSTEM Inventor(s): Bloch et al Serial No. 10/618,453 - Filed 07/11/03 Atty. Ref.: 7784-000634 14/14 FASTENER REQUEST - 200 IDENTIFY WHICH FASTENER STORAGE TUBE - 202 CONTAINS THE REQUESTED FASTENER POSITION UNLOADING MECHANISM ADJACENT [- 204 FASTENER STORAGE DEVICE - 206 POSITION EXTRACTOR CATCHER AGAINST FASTENER STORAGE TUBE EXTRACTOR CATCHER IS POSITIONED AGAINST SEAL OF DELIVERY TUBE ACTIVATE VACUUM GENERATOR (FASTENER REMOVED) - 210 FASTENER IS STOPPED BY CATCHER WHILE SPACER - 212 IS TRANSFERRED TO STORAGE RECEPTACLE REMAINING FASTENERS AND SPACERS FALL BACK INTO FASTENER STORAGE TUBE 216 EXTRACTOR IS MOVED AWAY FROM STORAGE DEVICE - 218 POSITION UNLOADING MECHANISM ADJACENT DELIVERY CONDUIT - 220 POSITION EXTRACTOR CATCHER AGAINST DROP STATION 222 DEACTIVATE VACUUM GENERATOR (FASTENER DROPS) FASTENER IS TRANSPORTED THROUGH - 224 FIXED FASTENER DELIVERY TUBE SENSE POSITION OF FASTENER - 226 ACTIVATE PNEUMATIC SOURCE | - 228 - 230 FASTENER DELIVERED FIG. 17